

FEATURES

- High Resolution Color CCD Camera
- Environmentally Sealed Protective Housing
- Vibration and Shock Resistant
- EMI Protected

General Description

This very rugged camera can withstand extreme shock and vibration levels when installed in its saddle mount. The camera is well protected inside an environmentally sealed aluminum housing, finished in olive-drab anodize. The housing can "breathe" through a Gore-Tex™ membrane minimizing maintenance requirements during long-term storage. The camera housing is equipped with an alignment pin to ensure correct horizon setting when installing or replacing a camera in the standard saddle mount. Front glass and lens can be replaced without removing the camera from its fixture. Special care has been taken to protect the camera from EMI; all sealing o-rings are conductive, the front glass is conductive coated and all camera electronics are electronically isolated from the housing.



Specifications

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| Pick-up Device | Interline transfer color 1/2" CCD |
| Picture Elements | 752(H) x 582(V) |
| Signal System | PAL |
| Lens | 6mm F1.4 |
| Horizontal Field of View | 56° |
| Sync System | Internal |
| Horizontal Resolution | 460 TVL |
| Sensitivity (camera only) | 0.5Lux, AGC On |
| Sensitivity (w. lens & window) | 4.9 Lux, AGC On |
| Shutter speed | Auto, from 1/50 to 1/100,000 s |
| S/N Ratio | Better than 46dB |
| AGC | On / Off |
| Power Requirements | 10.5 to 15VDC, 2.4W |
| Connector | D38999/24WA35PN |
| Dimensions | Diam. 1.8" x Length 45.7mm x |
| Weight | ozs. (incl. saddle mount) Grams |

Environmental Specifications

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| Storage Temperature | -46 °C to +71 °C |
| Operating Temperature | -40 °C to +60 °C |
| Altitude (Norm-Operational) | Sea Level to 60,000 ft.+ |
| Altitude (Non-Operational)* | -15,000 ft. to 60,000 ft.+ |
| Storage Humidity | 95% (50°C)-85% (38°C) |
| Operating Humidity | 5% 90% relative humidity (non-condensing) |
| Vibration (Operational) | MIL-STD-810C, 514, W, 9 hrs |
| Shock (Operational) | MIL-STD-810C, 516, I, 3 dir, 150g, 1ms |
| EMI | MIL-STD-461C, RS02, RS03, 50V/m, RE03 |
| | Design goals |